
SCIENCE STANDARD 4

All students will develop an understanding of technology as an application of scientific principles.

Throughout history, science and technology have enjoyed a unique, interdependent relationship. Today, the word *technology* means many things to many people. In the field of education, it conjures up images of computers in every classroom and every classroom connected to the Internet. A successful science program should indeed have available modern communications technology, and in fact, *Science Standard 2* clearly calls for students to develop the skills needed to utilize this technology.

Science Standard 4, however, is not designed to address the need for classroom technology. Rather, the purpose of this standard is to have students appreciate the intimate relationship between science and technology and (more importantly) to combine hands-on technology and design skills with the learning of scientific principles. This merger of technology education and science education is examined in detail in chapter 6.